

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	("6610751").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/13 10:05
L2	2	"3563910".PN.	USPAT; USOCR	OR	ON	2006/07/13 06:15
L3	2	"3567784".PN.	USPAT; USOCR	OR	ON	2006/07/13 06:16
L4	2151	guerbet	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 11:06
L5	863218	alcohol	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 07:21
L6	1874	l4 and l5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 06:33
L7	250795	crude	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 07:43
L8	270	l6 and l7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 06:33
L9	148055	sulfonat\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 07:47
L10	113	l8 and l9	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 06:34
L11	9554	bimodal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 07:17
L12	1	l4 same l11	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 10:08

EAST Search History

L13	777	I4 and I9	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 07:19
L14	66	I4 same I9	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 07:35
L15	2154	starting adj alcohol	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 07:22
L16	39	I4 same I15	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 07:22
L17	9	I7 and I14	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 07:35
L18	4	I4 near10 I7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 07:43
L19	0	I18 and I9	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 07:47
L20	2	"3563910".PN.	USPAT; USOCR	OR	ON	2006/07/13 07:49
L21	204	(558/34).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/13 07:53
L22	0	I4 and I21	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 07:53
L23	120	(516/25).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/13 07:58
L24	0	I4 and I23	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 07:58
L25	2	"3563910".PN.	USPAT; USOCR	OR	ON	2006/07/13 08:36

EAST Search History

L26	2	"3567784".PN.	USPAT; USOCR	OR	ON	2006/07/13 08:37
L27	1	"4171455".PN.	USPAT; USOCR	OR	ON	2006/07/13 08:38
L28	1	"4767625".PN.	USPAT; USOCR	OR	ON	2006/07/13 08:39
L29	1	"4830769".PN.	USPAT; USOCR	OR	ON	2006/07/13 08:40
L30	1	"5336432".PN.	USPAT; USOCR	OR	ON	2006/07/13 08:40
L31	1	"6140297".PN.	USPAT; USOCR	OR	ON	2006/07/13 08:41
L32	1	(crude near5 guerbet)near5 mixture	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 10:07
L33	1	(crude near10 guerbet)near10 (mixture or mix)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 10:07
L34	2	I4 and I11	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 10:08
L35	400963	sulfate\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 10:17
L36	1002	I4 and I35	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 10:17
L37	126	I4 same I35	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 10:17
L38	47	I4 near10 I35	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 10:27
L39	51	"0114507"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 10:20
L40	42	"114507"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 10:20

EAST Search History

L41	31414	alkoxylat\$ or oxyalkylat\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 10:28
L42	837	I4 and I41	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 10:29
L43	557	I9 and I42	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 10:35
L44	0	I21 and I43	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 10:29
L45	2	"4800077".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 10:40
L46	9	("4800077").URPN.	USPAT	OR	ON	2006/07/13 10:36
L47	1	"4731190".PN.	USPAT; USOCR	OR	ON	2006/07/13 10:37
L48	2	"5567808".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 10:40
L49	21	(guerbet and (alkoxylat\$ or oxyalkylat\$ or ethoxylat\$ or propoxylat\$) and sulfat\$).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 11:09
L50	5	(guerbet same (alkoxylat\$ or oxyalkylat\$ or ethoxylat\$ or propoxylat\$) same sulfat\$).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 11:13
L51	72	(guerbet same (alkoxylat\$ or oxyalkylat\$ or ethoxylat\$ or propoxylat\$) same sulfat\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/13 11:12
L52	1	(guerbet same (alkoxylat\$ or oxyalkylat\$ or ethoxylat\$ or propoxylat\$) same sulfat\$).clm.	US-PGPUB	OR	ON	2006/07/13 11:13

Connecting via Winsock to STN

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PASSWORD:

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NEWS 7 MAY 19 Derwent World Patents Index to be reloaded and enhanced
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NEWS 9 MAY 30 The F-Term thesaurus is now available in CA/CAPLUS
NEWS 10 JUN 02 The first reclassification of IPC codes now complete in
INPADOC
NEWS 11 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and
and display fields
NEWS 12 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL
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FILE 'HOME' ENTERED AT 06:55:08 ON 13 JUL 2006

=> file reg

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TOTAL

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0.21

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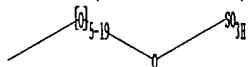
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=>

Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10670437\10670437 simplest component sulfate.str

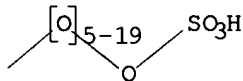


chain nodes :
1 2 3 4
chain bonds :
1-2 2-3 3-4
exact/norm bonds :
1-2 3-4
exact bonds :
2-3

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS

L1 STRUCTURE UPLOADED

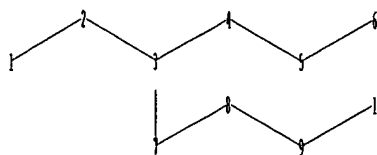
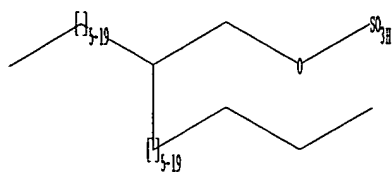
=> d 11
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=>

Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10670437\10670437 complex component sulfate.str

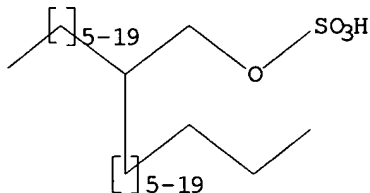


chain nodes :
 1 2 3 4 5 6 7 8 9 10
 chain bonds :
 1-2 2-3 3-4 3-7 4-5 5-6 7-8 8-9 9-10
 exact/norm bonds :
 4-5 5-6
 exact bonds :
 1-2 2-3 3-4 3-7 7-8 8-9 9-10

Match level :
 1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
 10:CLASS

L2 STRUCTURE UPLOADED

=> d 12
 L2 HAS NO ANSWERS
 L2 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l2 sss sam
 SAMPLE SEARCH INITIATED 06:57:46 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 341 TO ITERATE

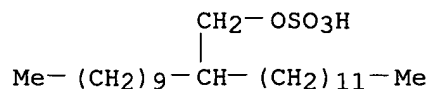
100.0% PROCESSED 341 ITERATIONS 2 ANSWERS
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 5713 TO 7927
 PROJECTED ANSWERS: 2 TO 124

L3 2 SEA SSS SAM L2

=> d scan

L3 2 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1-Tetradecanol, 2-decyl-, hydrogen sulfate (9CI)
 MF C24 H50 O4 S
 CI COM

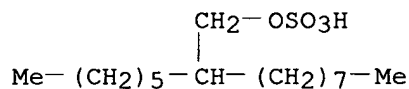


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

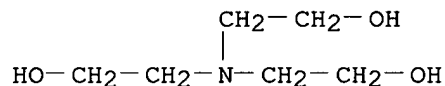
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

L3 2 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1-Decanol, 2-hexyl-, hydrogen sulfate, compd. with 2,2',2''-
 nitrilotris[ethanol] (1:1) (9CI)
 MF C16 H34 O4 S . C6 H15 N O3

CM 1



CM 2



ALL ANSWERS HAVE BEEN SCANNED

=> search 12 sss full

FULL SEARCH INITIATED 06:58:36 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 7337 TO ITERATE

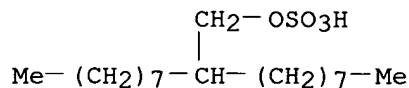
100.0% PROCESSED 7337 ITERATIONS
 SEARCH TIME: 00.00.01

31 ANSWERS

L4 31 SEA SSS FUL L2

=> d scan

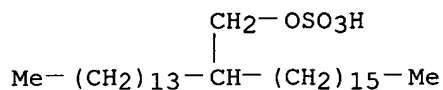
L4 31 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1-Decanol, 2-octyl-, hydrogen sulfate, sodium salt (9CI)
 MF C18 H38 O4 S . Na



● Na

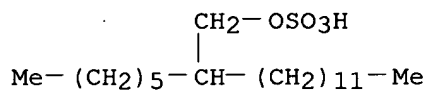
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

L4 31 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 1-Octadecanol, 2-tetradecyl-, hydrogen sulfate, sodium salt (9CI)
MF C32 H66 O4 S . Na



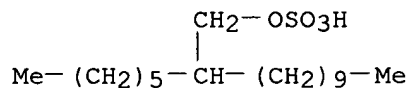
● Na

L4 31 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 1-Tetradecanol, 2-hexyl-, hydrogen sulfate, sodium salt (9CI)
MF C20 H42 O4 S . Na



● Na

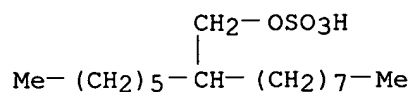
L4 31 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 1-Dodecanol, 2-hexyl-, hydrogen sulfate, potassium salt (9CI)
MF C18 H38 O4 S . K



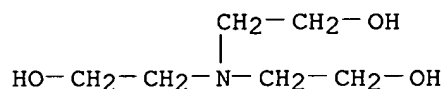
● K

L4 31 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 1-Decanol, 2-hexyl-, hydrogen sulfate, compd. with 2,2',2''-
nitrilotris[ethanol] (1:1) (9CI)
MF C16 H34 O4 S . C6 H15 N O3

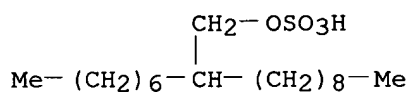
CM 1



CM 2

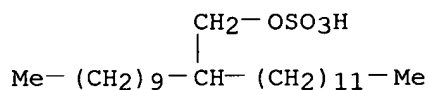


L4 31 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1-Undecanol, 2-heptyl-, hydrogen sulfate (9CI)
 MF C18 H38 O4 S
 CI COM



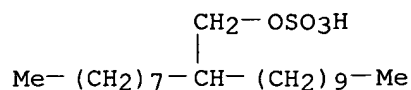
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 31 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1-Tetradecanol, 2-decyl-, hydrogen sulfate (9CI)
 MF C24 H50 O4 S
 CI COM



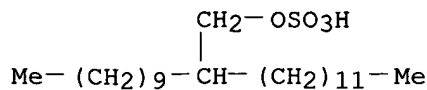
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 31 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1-Dodecanol, 2-octyl-, hydrogen sulfate (9CI)
 MF C20 H42 O4 S
 CI COM

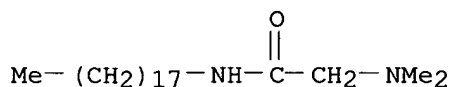


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

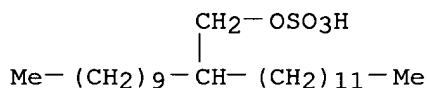
L4 31 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Acetamide, 2-(dimethylamino)-N-octadecyl-, compd. with 2-decyltetradecyl
 sulfate (1:1) (9CI)
 MF C24 H50 O4 S . C22 H46 N2 O
 CM 1



CM 2



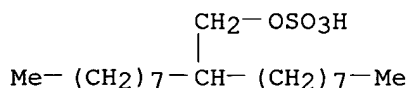
L4 31 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1-Tetradecanol, 2-decyl-, hydrogen sulfate, compd. with
 N,N-dimethyl-1-octadecanamine (1:1) (9CI)
 MF C24 H50 O4 S . C20 H43 N
 CM 1



CM 2



L4 31 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1-Decanol, 2-octyl-, hydrogen sulfate (9CI)
 MF C18 H38 O4 S
 CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

	ENTRY	SESSION
FULL ESTIMATED COST	169.14	169.35

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=> l4

L5 31 L4

=> emuls?

L6 291131 EMULS?

=> l5 and l6

L7 5 L5 AND L6

=> d l7 1-5 ti

L7 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
TI Effects of branching upon some surfactant properties of sulfated alcohols

L7 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
TI Brightener additive for weakly acidic zinc electroplating baths

L7 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
TI Silver halide photographic material

L7 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
TI Structure dependent properties of detergents as studied in 2-alkylsulfates, phosphine oxides, and ω -H-perfluoroalkyl compounds

L7 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
TI Emulsions of resins

=> save temp l5 cmplxcmpnt/a

ANSWER SET L5 HAS BEEN SAVED AS 'CMPLXCMPNT/A'

=> d l7 1,4,5 ti fbib abs

L7 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
TI Effects of branching upon some surfactant properties of sulfated alcohols
AN 1996:441305 CAPLUS

DN 125:145614
 TI Effects of branching upon some surfactant properties of sulfated alcohols
 AU O'Lenick, Anthony J., Jr.; Parkinson, Jeffrey K.
 CS Siltech Inc., Norcross, GA, 30093, USA
 SO Journal of the American Oil Chemists' Society (1996), 73(7), 935-937
 CODEN: JAOCA7; ISSN: 0003-021X
 PB AOCS Press
 DT Journal
 LA English
 AB A study was undertaken to determine the surfactant properties of various sulfated alcs. Most notably, the Krafft point and the ability to emulsify decane were studied. A series of sulfated Guerbet alc. and Guerbet alc. alkoxylate sulfates with 16 carbon atoms and an analogous series based upon cetyl alc., linear C16, were studied as hydrophobes.

L7 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Structure dependent properties of detergents as studied in 2-alkylsulfates, phosphine oxides, and ω -H-perfluoroalkyl compounds
 AN 1987:183178 CAPLUS
 DN 106:183178
 TI Structure dependent properties of detergents as studied in 2-alkylsulfates, phosphine oxides, and ω -H-perfluoroalkyl compounds
 AU Greiner, Anneliese; Herbst, Marrit
 CS Zentralinst. Org. Chem., Dtsch. Akad. Wiss., Ger. Dem. Rep.
 SO Journal fuer Praktische Chemie (Leipzig) (1987), 329(1), 29-38
 CODEN: JPCEAO; ISSN: 0021-8383
 DT Journal
 LA German
 AB CMC values from $\delta/\log c$ -curves were determined for the homologous series of 2-alkyl-branched alkylsulfates, dimethyl- and diethylphosphine oxides and ω -H-perfluoroalkyl sulfosuccinates. On this basis effective chain lengths were calculated and correlated with maximum of surface tension depression, wettability and foaming.

L7 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Emulsions of resins
 AN 1977:73681 CAPLUS
 DN 86:73681
 TI Emulsions of resins
 IN Yamazaki, Kazuo; Ishikawa, Yoshinobu; Ogata, Yuzuru; Kawaguchi, Ken
 PA Kao Soap Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 51125470	A2	19761101	JP 1975-28775 JP 1975-28775	19750310 A 19750310
AB	Sodium 2-methyldodecyl sulfate (I) [61670-33-5] or a similar compound optionally containing poly(oxyethylene) nonylphenyl ether [9016-45-9] was used as an emulsifying agent to prepare emulsions containing PVC [9002-86-2], poly(Et acrylate) (II) [9003-32-1], etc. and having high concentration, low viscosity, and good processability. Thus, 100 parts H ₂ O containing 20 parts Et acrylate (III) and 0.1 part NaHSO ₃ was added to 200 parts H ₂ O containing 2 parts I and 0.2 part K ₂ S ₂ O ₈ at 60°, mixed with 180 parts III during 100 min, and heated at 80° for 1 h to prepare a II emulsion having particle size 0.15 μ , viscosity 575 cP, solid content 40%, and shelf life 72 months.				

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	15.96	185.31
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-2.25	-2.25

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 07:04:41 ON 13 JUL 2006

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PASSWORD:

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SESSION RESUMED IN FILE 'CAPLUS' AT 07:29:58 ON 13 JUL 2006
FILE 'CAPLUS' ENTERED AT 07:29:58 ON 13 JUL 2006
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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	15.96	185.31
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-2.25	-2.25

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	15.96	185.31
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-2.25	-2.25

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 07:30:10 ON 13 JUL 2006

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PASSWORD:

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SESSION RESUMED IN FILE 'CAPLUS' AT 08:07:40 ON 13 JUL 2006
FILE 'CAPLUS' ENTERED AT 08:07:40 ON 13 JUL 2006
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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION

FULL ESTIMATED COST	15.96	185.31
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-2.25	-2.25

=> d his

(FILE 'HOME' ENTERED AT 06:55:08 ON 13 JUL 2006)

FILE 'REGISTRY' ENTERED AT 06:55:35 ON 13 JUL 2006

L1 STRUCTURE UPLOADED
 L2 STRUCTURE UPLOADED
 L3 2 SEARCH L2 SSS SAM
 L4 31 SEARCH L2 SSS FULL

FILE 'CAPLUS' ENTERED AT 06:59:21 ON 13 JUL 2006

L5 31 L4
 L6 291131 EMULS?
 L7 5 L5 AND L6
 SAVE TEMP L5 CMPLXCMPT/A

=> guerbet

L8 397 GUERBET

=> crude

200998 CRUDE
 3445 CRUDES
 L9 202266 CRUDE
 (CRUDE OR CRUDES)

=> 18(1)19

L10 8 L8(L)L9

=> sulfonat?

L11 114846 SULFONAT?

=> 110 and 111

L12 0 L10 AND L11

=> d 110 1-8 ti

L10 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Bimodal guerbet alkoxyates as emulsifiers

L10 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Procedure for the production of Guerbet alcohols with lower iodine and carbonyl values

L10 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Ethoxylated phosphate esters and carboxylic acids as dispersants for asphaltenes in crude petroleum

L10 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Purification of higher alcohols with acids

L10 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Wax acids

L10 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
 TI The Guerbet reaction. I. Reaction of amines under Guerbet conditions

L10 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN

and reduction in carbon number or degree of ethoxylation in the Guerbet hydrophobe resulted in accelerating the rate of the surface tension reduction further. The dynamic effectiveness of the surfactant was also enhanced by Guerbet branching.

- L17 ANSWER 28 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
TI Fundamental interfacial properties of alkyl-branched sulfate and ethoxy sulfate surfactants derived from Guerbet alcohols. 1. Surface and instantaneous interfacial tensions
AN 1991:84320 CAPLUS
DN 114:84320
TI Fundamental interfacial properties of alkyl-branched sulfate and ethoxy sulfate surfactants derived from Guerbet alcohols. 1. Surface and instantaneous interfacial tensions
AU Varadaraj, Ramesh; Bock, Jan; Valint, Paul, Jr.; Zushma, Stephen; Thomas, Robert
CS Corp. Res. Sci. Lab., Exxon Res. and Eng. Co., Annandale, NJ, 08861, USA
SO Journal of Physical Chemistry (1991), 95(4), 1671-6
CODEN: JPCHAX; ISSN: 0022-3654
DT Journal
LA English
AB Sulfates and ethoxylated sulfates of C12 and C16 mono- and polybranched Guerbet alcs. were prepared and evaluated as surfactants in comparison with anionic surfactants based on 1-alkanols. The Guerbet surfactants showed higher critical micelle concentration and better air-water interface surface tension lowering than their linear counterparts. At the decane-water interface, the differences were not as pronounced. The relation between the Guerbet hydrophobe structure and interfacial properties was discussed.
- L17 ANSWER 33 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
TI New surfactants from mixed Guerbet-alcohols
AN 1986:131987 CAPLUS
DN 104:131987
TI New surfactants from mixed Guerbet-alcohols
AU Krause, H. J.; Sylatk, A.
CS Henkel K.-G.aA, Duesseldorf, 4000/1, Fed. Rep. Ger.
SO Fette, Seifen, Anstrichmittel (1985), 87(10), 386-90
CODEN: FSASAX; ISSN: 0015-038X
DT Journal
LA German
AB 2-Benzyl fatty alcs. were prepared in good yields by mixed Guerbet-Markovnikov condensation of PhCH2OH with C8-14 fatty alcs. The ethoxylates and ethoxylate sulfates of these branched alcs. were effective, biodegradable surfactants.
- L17 ANSWER 34 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
TI Detergent alcohol. I. Effect of alcohol structure and molecular weight on surfactant properties
AN 1967:501293 CAPLUS
DN 67:101293
TI Detergent alcohol. I. Effect of alcohol structure and molecular weight on surfactant properties
AU Finger, Benjamin M.; Gillies, George A.; Hartwig, G. M.; Ryder, W. W., Jr.; Sawyer, Webster M., Jr.
CS Shell Develop. Co., Emeryville, CA, USA
SO Journal of the American Oil Chemists' Society (1967), 44(9), 525-30
CODEN: JAOCA7; ISSN: 0003-021X
DT Journal
LA English
AB n-C11-18, 5 isomeric C13, and 4 isomeric C15 aliphatic alcs. were sulfated, ethoxylated, and ethoxysulfated; they were studied with

regard to the effect of structure on detergency in heavy- and light-duty compns. Clear points and surface tensions of aqueous solns. are tabulated; foam and detergent performance are graphically presented. In general, excellent performance occurred with derivs. containing $\geq 70\%$ normal primary alcs. The odd-numbered alc. derivs. contributed significantly to optimum performance. 8 references.

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	55.34	224.69
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-6.00	-6.00

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 08:20:00 ON 13 JUL 2006

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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	55.34	224.69
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-6.00	-6.00

=> d his

(FILE 'HOME' ENTERED AT 06:55:08 ON 13 JUL 2006)

FILE 'REGISTRY' ENTERED AT 06:55:35 ON 13 JUL 2006

L1 STRUCTURE UPLOADED
L2 STRUCTURE UPLOADED
L3 2 SEARCH L2 SSS SAM
L4 31 SEARCH L2 SSS FULL

FILE 'CAPLUS' ENTERED AT 06:59:21 ON 13 JUL 2006

L5 31 L4
L6 291131 EMULS?
L7 5 L5 AND L6
SAVE TEMP L5 CMLXCMPT/A
L8 397 GUERBET
L9 202266 CRUDE
L10 8 L8(L)L9
L11 114846 SULFONAT?
L12 0 L10 AND L11

L13 1716080 SULF?
L14 0 L10 AND L13
L15 43 L8(L)L13
L16 805937 ALCOHOL
L17 37 L15 AND L16

=> d 117 16-26 ti

L17 ANSWER 16 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
TI Alkyl sulfate detergents having detergency and biodegradability

L17 ANSWER 17 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
TI Effects of branching upon some surfactant properties of sulfated alcohols

L17 ANSWER 18 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
TI Selective synthesis of aliphatic ethylene glycol sulfonate surfactants

L17 ANSWER 19 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
TI Optimum microemulsions formulated with propoxylated Guerbet alcohol and propoxylated tridecyl alcohol sodium sulfates

L17 ANSWER 20 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
TI Hair-brightening compositions containing alkyl sulfates

L17 ANSWER 21 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
TI Foaming cosmetic emulsions

L17 ANSWER 22 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
TI Preparation of Guerbet quaternary compounds as softeners for cosmetics and fibers

L17 ANSWER 23 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
TI Phase Behavior of Water/Perchloroethylene/Anionic Surfactant Systems

L17 ANSWER 24 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
TI Optimal surfactant structures for cosurfactant-free microemulsion systems. I. C16 and C14 Guerbet alcohol hydrophobes

L17 ANSWER 25 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
TI Process for the Guerbet reaction of linear primary aliphatic alcs.

L17 ANSWER 26 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
TI Fundamental interfacial properties of alkyl-branched sulfate and ethoxy sulfate surfactants derived from Guerbet alcohols. 3. Dynamic contact angle and adhesion tension

=> d 117 1-15 ti

L17 ANSWER 1 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
TI Synthetic lubricant basestocks from epoxidized soybean oil and Guerbet alcohols

L17 ANSWER 2 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
TI Synthesis and surface activity of sodium Guerbet tetradecyl sulfate

L17 ANSWER 3 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
TI Fischer-Tropsch (FT) alcohols, Guerbet alcohols, their mixtures and derivatives

L17 ANSWER 4 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
 TI SASOL SAFOL, alcohol mixtures and their derivatives

L17 ANSWER 5 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Synthesis and surface activity of sodium Guerbet tetradecyl polyoxyethylene ether sulfates

L17 ANSWER 6 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Acid-resistant polyurethane polyol compositions containing Guerbet alcohol for coating compositions

L17 ANSWER 7 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Spin finish for polyamide fibers increasing their abrasion resistance

L17 ANSWER 8 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Chemical reactions of fatty acids with special reference to the carboxyl group

L17 ANSWER 9 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Anionic surfactant compositions including Guerbet alkyl sulfates

L17 ANSWER 10 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Supported alkali salt catalysts active for the Guerbet reaction between methanol and ethanol

L17 ANSWER 11 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Use of mixtures for producing makeup removers

L17 ANSWER 12 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Research on catalyst of synthetic Guerbet alcohol acetate

L17 ANSWER 13 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Alkyl polyglycoside compositions having improved aesthetic and tactile properties

L17 ANSWER 14 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Use of fatty acid-polyol and -polyethylene glycol ester sulfates for leather fatliquoring

L17 ANSWER 15 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Use of fatty acid ester sulfates for leather fatliquoring

=> d 117 2-5, 9,26 ti fbib abs

L17 ANSWER 2 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Synthesis and surface activity of sodium Guerbet tetradecyl sulfate

AN 2004:84452 CAPLUS
 DN 141:351774
 TI Synthesis and surface activity of sodium Guerbet tetradecyl sulfate

AU Jin, Zhiqiang; Wang, Hanhui; Yu, Jiayong
 CS Technical Institute of Physics and Chemistry, Chinese Academy of Sciences, Beijing, 100101, Peop. Rep. China
 SO Riyong Huaxue Gongye (2002), 32(5), 4-7
 CODEN: RHGOE8; ISSN: 1001-1803
 PB Qinggongyebu Kexue Jishu Qingbao Yanjiuso
 DT Journal
 LA Chinese
 AB Guerbet alc. 2-pentyl nonyl alc. (C14GA) synthesized from 1-heptanol by Guerbet reaction was esterified

by chlorosulfonic acid, and further neutralized by NaOH, thus, the anionic surfactant sodium Guerbet tetradecyl sulfate (C14GAS) was obtained. The structures of C14GA and C14GAS were identified by IR, NMR and element anal. The critical micelle concentration (cmc) was determined by surface tension method, and other thermodyn. properties of this surfactant were also studied.

L17 ANSWER 3 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Fischer-Tropsch (FT) alcohols, Guerbet alcohols, their mixtures and derivatives
 AN 2003:852816 CAPLUS
 DN 139:325051
 TI Fischer-Tropsch (FT) alcohols, Guerbet alcohols, their mixtures and derivatives
 PA Sasol Germany GmbH, Germany
 SO Ger. Gebrauchsmusterschrift, 26 pp.
 CODEN: GGXXFR
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	DE 20303420	U1	20031030	DE 2003-20303420	20030303
				DE 2003-20303420	20030303

OS MARPAT 139:325051
 AB The mixts. of FT alcs., Guerbet alcs., and their derivs., e.g., esters, acids, sulfates, phosphates, polyglycol ethers, aldehydes, amines, sugar esters and ethers, etc., contain alcs. RCH₂OH (I), where R₁ is RCH₂ residue of I and comprises (a) for greater of 20-80% of the alcs. with C₄-20 hydrocarbon residues, the residues are linear and aliphatic, (b) for 10-80% of the alcs. with C₄-20 hydrocarbon residues, the residues are aliphatic, contain ≤3 tertiary C atoms, and do not contain tertiary C atoms in 2- or 3-positions relative to OH groups of the alcs., and, optionally, (c) also contain ≤10% other C₅-21 alcs., where (a) + (b) + (c) = 100.

L17 ANSWER 4 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
 TI SASOL SAFOL, alcohol mixtures and their derivatives
 AN 2003:486679 CAPLUS
 DN 140:255288
 TI SASOL SAFOL, alcohol mixtures and their derivatives
 AU van der Merwe, Madelein
 CS Germany
 SO IP.com Journal (2003), 3(4), 65-66 (No. IPCOM000011798D), 17 Mar 2003
 CODEN: IJPOBX; ISSN: 1533-0001
 PB IP.com, Inc.
 DT Journal; Patent
 LA German

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	IP 11798D		20030317		
PRAI	IP 2003-11798D		20030317		

AB The invention relates to ester mixts. that are made from SAFOL alcs. and/or acids derived from SAFOL alcs., wherein the alc. component, the acid component or both have specific branching. Particular attention is given to phthalic acid esters of SAFOL alcs. and their use as PVC plasticizer. The alcs. are made by hydroformylation of olefins derived by Fischer-Tropsch (FT) process from synthesis gas. Branching degree of these FT-alcs. is ≈50% with branches not located at the 2- or 3-position of the OH group. Many derivs. (e.g. esters, acids, aldehydes, sulfates

, ethers, sugar ethers) of these alcs. and the corresponding guerbet alcs. are applied together with several application fields.

L17 ANSWER 5 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Synthesis and surface activity of sodium Guerbet tetradecyl polyoxyethylene ether sulfates
 AN 2002:713081 CAPLUS
 DN 138:172263
 TI Synthesis and surface activity of sodium Guerbet tetradecyl polyoxyethylene ether sulfates
 AU Jin, Zhi-qiang; Wang, Han-hui; Yu, Jia-yong
 CS Technical Institute of Physics and Chemistry, Chinese Academy of Sciences, Beijing, 100101, Peop. Rep. China
 SO Jingxi Huagong (2002), 19(8), 435-439
 CODEN: JIHUFJ; ISSN: 1003-5214
 PB Jingxi Huagong Bianjibu
 DT Journal
 LA Chinese
 AB Using Guerbet tetradecyl alc. (synthesized by Guerbet reaction using n-heptanol as raw material) as intermediate, Guerbet tetradecyl polyoxyethylene ether sulfates [C14GA(EO)_nS, n = 1, 2, 4] were obtained through following steps: synthesizing Guerbet tetradecyl ether polyethylene alcs. [C14GA(EO)_nH, n = 1, 2, 4] by Williamson reaction, then esterifying with chlorosulfonic acid and neutralizing with sodium hydroxide. The structures of these surfactants were identified by IR, NMR and elementary anal. The surface activities of water solns. of these surfactants were determined by surface tension method. The exptl. results show that the synthesized surfactants conform to the following structures: C14GAEO(S)(A), C14GA(EO)2S(B) and C14GA(EO)4S(C); their critical micelle concentration CMC (mmol/L), surface tension at CMC γ_{CMC} (mN/m) and Krafft point ($^{\circ}$ C) [being resp. A (2.58 mmol/L, 27.6 mN/m, 5.9 $^{\circ}$ C), B (0.80 mmol/L, 26.41 mN/m, 2 $^{\circ}$ C) and C (0.12 mmol/L, 25.34 mN/m, <0 $^{\circ}$ C)] are lower than that of common surfactant C12H25SO4Na (8.6 mmol/L, 41.2 mN/m, 16 $^{\circ}$ C); moreover, the effects of introducing oxyethylene group on reduction of the CMC, γ_{CMC} and Krafft point enhance with increase of oxyethylene group number (n = 1-4). The relationship between structure and surface activity of surfactant was discussed.

L17 ANSWER 9 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Anionic surfactant compositions including Guerbet alkyl sulfates
 AN 2001:152799 CAPLUS
 DN 134:209720
 TI Anionic surfactant compositions including Guerbet alkyl sulfates
 IN Meine, Georg; Raths, Hans-Christian; Mueller-Kirschbaum, Thomas
 PA Henkel K.-G.a.A., Germany
 SO PCT Int. Appl., 46 pp.
 CODEN: PIXXD2
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001014507	A1	20010301	WO 2000-EP7885	20000812
	W: JP, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	DE 19939991	A1	20010301	DE 1999-19939991	A 19990824
				DE 1999-19939991	19990824

AB An anionic surfactant composition containing C12-22 Guerbet alkyl sulfates and other surfactants gives excellent washing results even at 40°. Thus, a lipstick-smudged cotton-polyester blend fabric washed with a detergent composition containing 13.8% 2-hexyldecyl Na sulfate (I), 3.8% ethoxylated (7 mol) C12-18 alcs., 20% zeolite A, and other conventional additives showed remission 68.0 and 75.5% at 40° and 60°, resp., compared with 58.9 and 62.6%, resp., for an otherwise identical composition in which I was replaced with n-hexadecyl Na sulfate. The Guerbet alkyl sulfates are also useful in cleansers for hard surfaces and in dishwashing detergents.

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 26 OF 37 CAPLUS COPYRIGHT 2006 ACS on STN
TI Fundamental interfacial properties of alkyl-branched sulfate and ethoxy sulfate surfactants derived from Guerbet alcohols. 3. Dynamic contact angle and adhesion tension
AN 1991:84322 CAPLUS
DN 114:84322
TI Fundamental interfacial properties of alkyl-branched sulfate and ethoxy sulfate surfactants derived from Guerbet alcohols. 3. Dynamic contact angle and adhesion tension
AU Varadaraj, Ramesh; Bock, Jan; Valint, Paul, Jr.; Zushma, Stephen; Brons, Neil
CS Corp. Res. Sci. Lab., Exxon Res. and Eng. Co., Annandale, NJ, 08801, USA
SO Journal of Physical Chemistry (1991), 95(4), 1679-81
CODEN: JPCHAX; ISSN: 0022-3654
DT Journal
LA English
AB The influence of hydrocarbon chain branching (Guerbet branching) on the interfacial properties at the solid-water interface was studied by using the Wilhelmy-type wetting force measurement technique. Dynamic contact angles were determined at the Teflon-water interface for C12-19 Guerbet sulfate and monodisperse ethoxy sulfate surfactants. Comparison of C16 linear with C16 Guerbet surfactants revealed that hydrocarbon chain branching decreased the advancing and receding angles by .apprx.30°, representing increased wetting effectiveness.

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	88.64	257.99
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-10.50	-10.50

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 08:32:04 ON 13 JUL 2006

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PASSWORD:

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 FILE 'CAPLUS' ENTERED AT 08:42:10 ON 13 JUL 2006
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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	88.64	257.99

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-10.50	-10.50

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	88.64	257.99

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-10.50	-10.50

SESSION WILL BE HELD FOR 60 MINUTES
 STN INTERNATIONAL SESSION SUSPENDED AT 08:42:19 ON 13 JUL 2006

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LOGINID:SSSPTA1623PAZ

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 3 FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS 4 APR 04	STN AnaVist \$500 visualization usage credit offered
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NEWS 6 MAY 11	KOREAPAT updates resume
NEWS 7 MAY 19	Derwent World Patents Index to be reloaded and enhanced
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NEWS 9 MAY 30	The F-Term thesaurus is now available in CA/CAPLUS
NEWS 10 JUN 02	The first reclassification of IPC codes now complete in INPADOC
NEWS 11 JUN 26	TULSA/TULSA2 reloaded and enhanced with new search and and display fields
NEWS 12 JUN 28	Price changes in full-text patent databases EPFULL and PCTFULL
NEWS 13 JUL 07	Coverage of Research Disclosure reinstated in DWPI
NEWS 14 JUL 11	CHEMSAFE reloaded and enhanced

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT
 MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
 AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

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NEWS X25 X.25 communication option no longer available

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 09:52:04 ON 13 JUL 2006

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 09:52:15 ON 13 JUL 2006

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

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SESSION RESUMED IN FILE 'HOME' AT 10:31:34 ON 13 JUL 2006
FILE 'HOME' ENTERED AT 10:31:34 ON 13 JUL 2006

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

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=> guerbet

L1 397 GUERBET

=> alkoylat? or oxyalkylat?

5 ALKOYLAT?

1301 OXYALKYLAT?

L2 1306 ALKOYLAT? OR OXYALKYLAT?

=> alkoxylat? or oxyalkylat?

10098 ALKOXYLAT?

1301 OXYALKYLAT?

L3 11265 ALKOXYLAT? OR OXYALKYLAT?

=> l1(l)l3

L4 21 L1(L)L3

=> sulf?

L5 1716080 SULF?

=> l4 and l5

L6 4 L4 AND L5

=> d l6 1-4 ti fbib abs

L6 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

TI Alkyl polyglycoside compositions having improved aesthetic and tactile properties

AN 1998:493236 CAPLUS

DN 129:150395

TI Alkyl polyglycoside compositions having improved aesthetic and tactile properties

IN Desai, Sureshchandra G.; Hessel, John Frederick; Urfer, Allen D.; Allen, Charles B.; Fischer, Stephen A.; McCurry, Patrick M.

PA Henkel Corporation, USA

SO U.S., 17 pp., Cont.-in-part of U.S. 5,567,808.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5783553	A	19980721	US 1995-551657	19951101
				US 1994-338701	A2 19941110
	US 5567808	A	19961022	US 1994-338701	19941110
	CA 2203251	AA	19960523	CA 1995-2203251	19951108
				US 1994-338701	A 19941110
				US 1995-551657	A 19951101
	WO 9615138	A1	19960523	WO 1995-US13999	19951108
	W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT				
	RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE,				

IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR,
NE, SN, TD, TG

			US 1994-338701	A	19941110
			US 1995-551657	A	19951101
AU 9641377	A1	19960606	AU 1996-41377		19951108
AU 695480	B2	19980813			
			US 1994-338701	A	19941110
			US 1995-551657	A	19951101
			WO 1995-US13999	W	19951108
EP 791003	A1	19970827	EP 1995-939640		19951108
R: DE, ES, FR, GB					
			US 1994-338701	A	19941110
			US 1995-551657	A	19951101
			WO 1995-US13999	W	19951108
BR 9509721	A	19971021	BR 1995-9721		19951108
			US 1994-338701	A	19941110
			US 1995-551657	A	19951101
			WO 1995-US13999	W	19951108
CN 1162960	A	19971022	CN 1995-196126		19951108
			US 1994-338701	A	19941110
US 5605683	A	19970225	US 1996-641446		19960430
			US 1994-338701	A3	19941110
US 5677436	A	19971014	US 1996-641170		19960430
			US 1994-338701	A3	19941110

PATENT FAMILY INFORMATION:

FAN 1996:446753

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9615138	A1	19960523	WO 1995-US13999	19951108
	W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT				
	RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
				US 1994-338701	A 19941110
				US 1995-551657	A 19951101
US 5567808	A	19961022	US 1994-338701		19941110
US 5783553	A	19980721	US 1995-551657		19951101
			US 1994-338701	A2	19941110
AU 9641377	A1	19960606	AU 1996-41377		19951108
AU 695480	B2	19980813			
			US 1994-338701	A	19941110
			US 1995-551657	A	19951101
			WO 1995-US13999	W	19951108
EP 791003	A1	19970827	EP 1995-939640		19951108
R: DE, ES, FR, GB					
			US 1994-338701	A	19941110
			US 1995-551657	A	19951101
			WO 1995-US13999	W	19951108
BR 9509721	A	19971021	BR 1995-9721		19951108
			US 1994-338701	A	19941110
			US 1995-551657	A	19951101
			WO 1995-US13999	W	19951108
AB	The title compns., with enhanced the aesthetic and tactile properties, comprises (a) an alkyl polyglycoside ROZa, (b) an additive (alkyl sulfates, unsatd. aliphatic carboxylic acids or salts, unsatd. aliphatic sorbitan esters, branched aliphatic di-carboxylic acids, branched aliphatic tri-carboxylic acids, alkyl sulfosuccinates, other alkyl polyglycosides, alkyl alkoxylates, alkyl and aryl phosphate esters, branched aliphatic carboxylic acids, unsatd. alcs., Guerbet alcs., alkoxylated alkyl polyglycosides, alkoxylated				

penterythritol, alkoxylated penterythritol esters, alkyl and aryl sulfonates, alkyl sulfonates, alkenyl sulfonates, alkyl amino carboxylates or imino dicarboxylates, betaines, carboxylated imidazoline derivs., or carboxylate surfactants), and (c) an aliphatic alc. viscosity-controlling additive.

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN
TI Effects of branching upon some surfactant properties of sulfated alcohols
AN 1996:441305 CAPLUS
DN 125:145614
TI Effects of branching upon some surfactant properties of sulfated alcohols
AU O'Lenick, Anthony J., Jr.; Parkinson, Jeffrey K.
CS Siltech Inc., Norcross, GA, 30093, USA
SO Journal of the American Oil Chemists' Society (1996), 73(7), 935-937
CODEN: JAOCA7; ISSN: 0003-021X
PB AOCs Press
DT Journal
LA English
AB A study was undertaken to determine the surfactant properties of various sulfated alcs. Most notably, the Krafft point and the ability to emulsify decane were studied. A series of sulfated Guerbet alc. and Guerbet alc. alkoxylate sulfates with 16 carbon atoms and an analogous series based upon cetyl alc., linear C16, were studied as hydrophobes.

L6 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN
TI Preparation of Guerbet quaternary compounds as softeners for cosmetics and fibers
AN 1994:279886 CAPLUS
Correction of: 1989:218829
DN 120:279886
Correction of: 110:218829
TI Preparation of Guerbet quaternary compounds as softeners for cosmetics and fibers
IN O'Lenick, A. J., Jr.; Smith, Wayne C.
PA GAF Corp., USA
SO U.S., 6 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	US 4800077	A	19890124	US 1988-143570	19880113
				US 1988-143570	19880113
AB	The Guerbet quaternary compds. $RCH_2CH_2O(EO)_x(PO)_y(EO)_zCH_2CH(OH)CH_2R_2$ (R, R1 = C6-20 hydrocarbyl; EO = ethylene oxide residue; PO = propylene oxide residue; x, y, z = 0, 1-10; R2 = R3N+R4R5 Q-, etc.; R3, R4, R5 = C1-20 hydrocarbyl; Q = halide, sulfate) are prepared as hair softening, antitangle and conditioning agents. A mixture of decyl alc., KOH and Ni was heated to 250° to give a Guerbet alc., which was alkoxylated with ethylene oxide in the presence of KOH and subsequently treated with epichlorohydrin to give a product, which upon heating with lauryldimethylamine, in H2O, gave a Guerbet quaternary ammonium compound. Conditioners and shampoos (no example) contain 2-30% of the compds.				

L6 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN
TI Preparation of Guerbet quaternary compounds as softeners for cosmetics and

fibers
 AN 1989:218829 CAPLUS
 DN 110:218829
 TI Preparation of Guerbet quaternary compounds as softeners for cosmetics and fibers
 IN O'Lenick, A. J., Jr.; Smith, Wayne C.
 PA GAF Corp., USA
 SO U.S., 6 pp.
 CODEN: USXXAM
 DT Patent
 LA English

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4800077 A		19890124	US 1988-143570	19880113
AB	The Guerbet quaternary compds. RCHR1CH2O(EO)x(PO)y(EO)zCH2CH(OH)CH2R2 (R, R1 = C6-20 hydrocarbyl; EO = ethylene oxide residue; PO = propylene oxide residue; x, y, z = 0, 1-10; R2 = R3N+R4R5 Q-, etc.; R3, R4, R5 = C1-20 hydrocarbyl; Q = halide, sulfate) are prepared as hair softening, antitangle and conditioning agents. A mixture of decyl alc., KOH and Ni was heated to 250° to give a Guerbet alc., which was alkoxylated with ethylene oxide and propylene oxide, in the presence of KOH, to give a product, which upon heating with lauryl di-Me amine, in H2O, gave a Guerbet quaternary NH4 compound Conditioners and shampoos (no examples) contain 2-30% of the compds.				

=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	37.71	37.92
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-3.00	-3.00

FILE 'STNGUIDE' ENTERED AT 10:42:29 ON 13 JUL 2006
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 AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.
 LAST RELOADED: Jul 7, 2006 (20060707/UP).

=> DIS SAVED

NAME	CREATED	NOTES/TITLE
ALLCMPDSRAW/A	TEMP	1178 ANSWERS IN FILE REGISTRY
ALLREFSRAW/A	TEMP	5376 ANSWERS IN FILE CAPLUS
CMPLXCMPNT/A	TEMP	31 ANSWERS IN FILE CAPLUS
RANTESSRCH/L	TEMP	23 L-NUMBERS
RENTESSRCH/L	TEMP	11 L-NUMBERS
TWOAMINOPOLY/Q	16 APR 2001	UPLOADED STRUCTURE

=> DIS SAVED/S

NO SAVED SDI REQUESTS

=> FIL CAPLUS

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.06	37.98

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-3.00

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FILE COVERS 1907 - 13 Jul 2006 VOL 145 ISS 3
 FILE LAST UPDATED: 12 Jul 2006 (20060712/ED)

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<http://www.cas.org/infopolicy.html>

```
=> ACT CMLXCMPT/A
L7          STR
L8 (        31)SEA FILE=REGISTRY SSS FUL L7
L9          31 SEA FILE=CAPLUS ABB=ON PLU=ON L8
```

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.46	38.44
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-3.00

FILE 'REGISTRY' ENTERED AT 10:43:20 ON 13 JUL 2006
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STRUCTURE FILE UPDATES: 12 JUL 2006 HIGHEST RN 892389-74-1
 DICTIONARY FILE UPDATES: 12 JUL 2006 HIGHEST RN 892389-74-1

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TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

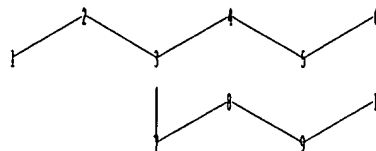
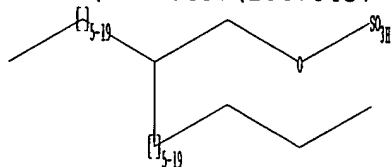
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information

on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10670437\10670437 complex component sulfate.str



chain nodes :

1 2 3 4 5 6 7 8 9 10

chain bonds :

1-2 2-3 3-4 3-7 4-5 5-6 7-8 8-9 9-10

exact/norm bonds :

4-5 5-6

exact bonds :

1-2 2-3 3-4 3-7 7-8 8-9 9-10

Match level :

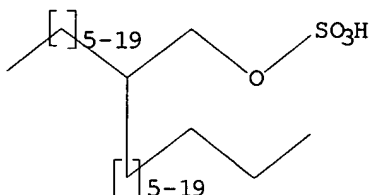
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS

L10 STRUCTURE UPLOADED

=> d l10

L10 HAS NO ANSWERS

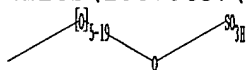
L10 STR



Structure attributes must be viewed using STN Express query preparation.

=>

Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10670437\10670437 simplest component sulfate.str



chain nodes :

1 2 3 4

chain bonds :

1-2 2-3 3-4

exact/norm bonds :

1-2 3-4

exact bonds :

2-3

Match level :

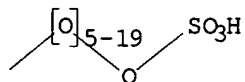
1:CLASS 2:CLASS 3:CLASS 4:CLASS

L11 STRUCTURE UPLOADED

=> d l11

L11 HAS NO ANSWERS

L11 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l11 sss sam

SAMPLE SEARCH INITIATED 10:44:12 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED

2 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

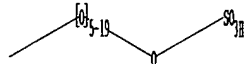
PROJECTED ITERATIONS: 2 TO 124

PROJECTED ANSWERS: 0 TO 0

L12 0 SEA SSS SAM L11

=>

Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10670437\10670437 simplest component sulfate.str



chain nodes :

1 2 3 4

chain bonds :

1-2 2-3 3-4

exact/norm bonds :

1-2 3-4

exact bonds :

2-3

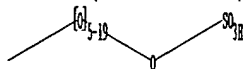
Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS

L13 STRUCTURE UPLOADED

=>

Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10670437\10670437 simplest component sulfate.str

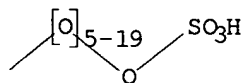


chain nodes :
 1 2 3 4
 chain bonds :
 1-2 2-3 3-4
 exact/norm bonds :
 1-2 3-4
 exact bonds :
 2-3

Match level :
 1:CLASS 2:CLASS 3:CLASS 4:CLASS

L14 STRUCTURE UPLOADED

=> d 114
 L14 HAS NO ANSWERS
 L14 STR



Structure attributes must be viewed using STN Express query preparation.

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.20	40.64
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-3.00

SESSION WILL BE HELD FOR 60 MINUTES
 STN INTERNATIONAL SESSION SUSPENDED AT 10:46:25 ON 13 JUL 2006

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
 SESSION RESUMED IN FILE 'REGISTRY' AT 10:47:19 ON 13 JUL 2006
 FILE 'REGISTRY' ENTERED AT 10:47:19 ON 13 JUL 2006
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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

2.20

40.64

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

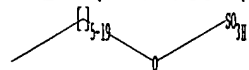
CA SUBSCRIBER PRICE

0.00

-3.00

=>

Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10670437\10670437 component a sulfate.str



chain nodes :

1 2 3 4

chain bonds :

1-2 2-3 3-4

exact/norm bonds :

2-3 3-4

exact bonds :

1-2

Match level :

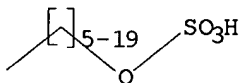
1:CLASS 2:CLASS 3:CLASS 4:CLASS

L15 STRUCTURE UPLOADED

=> d l15

L15 HAS NO ANSWERS

L15 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l15 sss sa\m

COMBINATION OF STRUCTURE AND TEXT TERMS NOT VALID

The query entered contains both search terms created by structure-building or screen commands and text search terms. L#s created via the STRUCTURE or SCREEN commands must be searched in the structures files separately from text terms or profiles. The L# answer sets from structure searches can be used in crossover searches and can be combined with text terms.

=> search l15 sss sam

SAMPLE SEARCH INITIATED 10:48:02 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 375 TO ITERATE

100.0% PROCESSED 375 ITERATIONS

50 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**
PROJECTED ITERATIONS: 6339 TO 8661
PROJECTED ANSWERS: 4269 TO 6211

L16 50 SEA SSS SAM L15

=> search l15 sss full
FULL SEARCH INITIATED 10:48:16 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 8130 TO ITERATE

100.0% PROCESSED 8130 ITERATIONS 5754 ANSWERS
SEARCH TIME: 00.00.02

L17 5754 SEA SSS FUL L15

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	169.58	208.02
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-3.00

FILE 'CAPLUS' ENTERED AT 10:48:24 ON 13 JUL 2006
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FILE COVERS 1907 - 13 Jul 2006 VOL 145 ISS 3
FILE LAST UPDATED: 12 Jul 2006 (20060712/ED)

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=> l17
L18 42775 L17

=> d his

(FILE 'HOME' ENTERED AT 09:52:04 ON 13 JUL 2006)

FILE 'CAPLUS' ENTERED AT 10:31:46 ON 13 JUL 2006

L1 397 GUERBET
L2 1306 ALKOYLAT? OR OXYALKYLAT?
L3 11265 ALKOXYLAT? OR OXYALKYLAT?
L4 21 L1(L)L3
L5 1716080 SULF?
L6 4 L4 AND L5

FILE 'STNGUIDE' ENTERED AT 10:42:29 ON 13 JUL 2006

FILE 'CAPLUS' ENTERED AT 10:43:02 ON 13 JUL 2006

ACT CMLXCOMPNT/A

L7 STR
L8 (31)SEA FILE=REGISTRY SSS FUL L7
L9 31 SEA FILE=CAPLUS ABB=ON PLU=ON L8

FILE 'REGISTRY' ENTERED AT 10:43:20 ON 13 JUL 2006

L10 STRUCTURE UPLOADED
L11 STRUCTURE UPLOADED
L12 0 SEARCH L11 SSS SAM
L13 STRUCTURE UPLOADED
L14 STRUCTURE UPLOADED
L15 STRUCTURE UPLOADED
L16 50 SEARCH L15 SSS SAM
L17 5754 SEARCH L15 SSS FULL

FILE 'CAPLUS' ENTERED AT 10:48:24 ON 13 JUL 2006

L18 42775 L17

=> 16 and 117

42775 L17
L19 1 L6 AND L17

=> 19 and 117

42775 L17
L20 31 L9 AND L17

=> file eg

'EG' IS NOT A VALID FILE NAME

SESSION CONTINUES IN FILE 'CAPLUS'

Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files that are available. If you have requested multiple files, you can specify a corrected file name or you can enter "IGNORE" to continue accessing the remaining file names entered.

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.76	210.78
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-3.00

FILE 'REGISTRY' ENTERED AT 10:52:12 ON 13 JUL 2006

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STRUCTURE FILE UPDATES: 12 JUL 2006 HIGHEST RN 892389-74-1

DICTIONARY FILE UPDATES: 12 JUL 2006 HIGHEST RN 892389-74-1

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TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

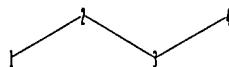
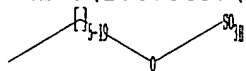
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary
files\10670437\10670437 H fixed component a sulfate.str



chain nodes :

1 2 3 4

chain bonds :

1-2 2-3 3-4

exact/norm bonds :

2-3 3-4

exact bonds :

1-2

Hydrogen count :

1:>= minimum 3 2:>= minimum 2

Match level :

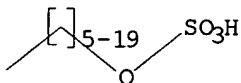
1:CLASS 2:CLASS 3:CLASS 4:CLASS

L21 STRUCTURE UPLOADED

=> d l21

L21 HAS NO ANSWERS

L21 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l21 sss sam

SAMPLE SEARCH INITIATED 10:52:48 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 375 TO ITERATE

100.0% PROCESSED 375 ITERATIONS

50 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 6339 TO 8661

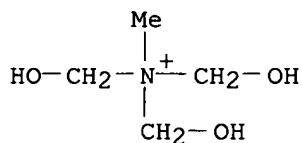
PROJECTED ANSWERS: 1147 TO 2253

L22 50 SEA SSS SAM L21

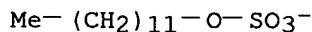
=> d scan

L22 50 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Methanaminium, 1-hydroxy-N,N-bis(hydroxymethyl)-N-methyl-, dodecyl sulfate
(salt) (9CI)
MF C12 H25 O4 S . C4 H12 N O3

CM 1



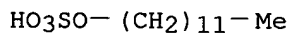
CM 2



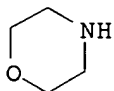
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

L22 50 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Dodecyl sulfate, C12H25SO4H, compd. with morpholine, pyridine (6CI)
MF C12 H26 O4 S . C5 H5 N . C4 H9 N O

CM 1



CM 2

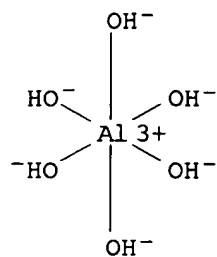


CM 3

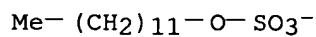


L22 50 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Aluminate (Al(OH)₆³⁻), (OC-6-11)-, zinc dodecyl sulfate hydroxide
(1:3:1:2) (9CI)
MF C12 H25 O4 S . Al H6 O6 . 2 H O . 3 Zn

CM 1



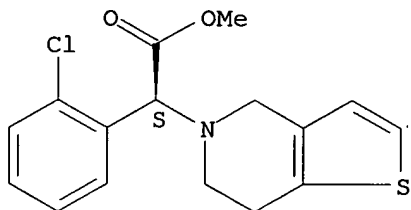
CM 2



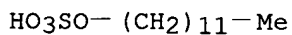
L22 50 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Thieno[3,2-c]pyridine-5(4H)-acetic acid, α -(2-chlorophenyl)-6,7-
 dihydro-, methyl ester, (α S)-, dodecyl sulfate (9CI)
 MF C16 H16 Cl N O2 S . C12 H26 O4 S

CM 1

Absolute stereochemistry. Rotation (+).

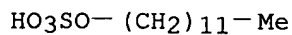


CM 2



L22 50 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Sulfuric acid, monododecyl ester, compd. with 1-pentanol (1:1) (9CI)
 MF C12 H26 O4 S . C5 H12 O

CM 1



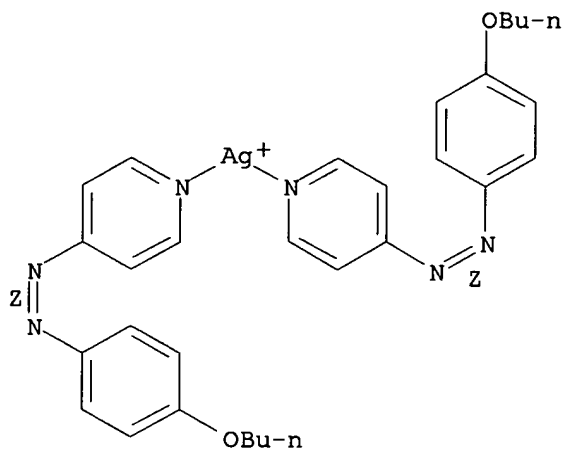
CM 2

Me-(CH₂)₄-OH

L22 50 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Silver(1+), bis[4-[(1Z)-(4-butoxyphenyl)azo]pyridine-κN]-, dodecyl
sulfate (9CI)
MF C30 H34 Ag N6 O2 . C12 H25 O4 S

CM 1

Double bond geometry as shown.



CM 2

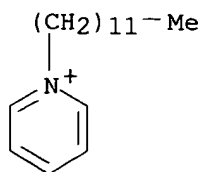
Me-(CH₂)₁₁-O-SO₃⁻

L22 50 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Pyridinium, 1-dodecyl-, tetradecyl sulfate (9CI)
MF C17 H30 N . C14 H29 O4 S

CM 1

Me-(CH₂)₁₃-O-SO₃⁻

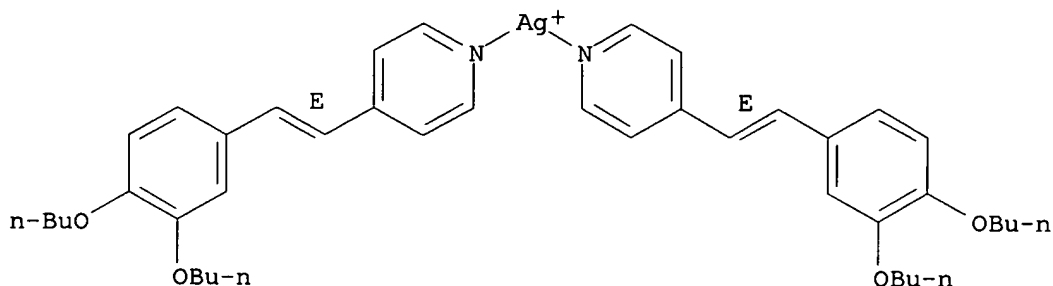
CM 2



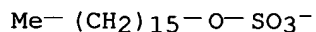
L22 50 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Silver(1+), bis[4-[(1E)-2-(3,4-dibutoxyphenyl)ethenyl]pyridine-κN]-,
 hexadecyl sulfate (9CI)
 MF C42 H54 Ag N2 O4 . C16 H33 O4 S

CM 1

Double bond geometry as shown.

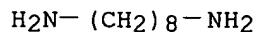


CM 2

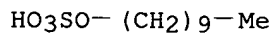


L22 50 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Sulfuric acid, monodecyl ester, compd. with 1,8-octanediamine (2:1) (9CI)
 MF C10 H22 O4 S . 1/2 C8 H20 N2

CM 1

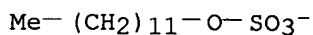


CM 2

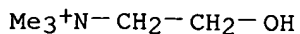


L22 50 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Ethanaminium, 2-hydroxy-N,N,N-trimethyl-, dodecyl sulfate (salt) (9CI)
 MF C12 H25 O4 S . C5 H14 N O

CM 1



CM 2



L22 50 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 2-Propenoic acid, homopolymer, compd. with sodium dodecyl sulfate (9CI)
MF C12 H26 O4 S . x (C3 H4 O2)x . x Na

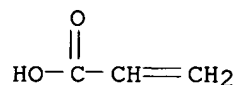
CM 1

HO₃SO- (CH₂)₁₁-Me

● Na

CM 2

CM 3



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> logo0ff hold

0 LOGO0FF

36 HOLD

L23 0 LOGO0FF HOLD

(LOGO0FF(W)HOLD)

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
10.40	221.18

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-3.00

CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 10:53:41 ON 13 JUL 2006